

REGION: 04
STATE : TN

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 124
RUN DATE: 06/29/87
RUN TIME: 11:41:36

M.2 - SITE MAINTENANCE FORM

EPA ID : TND003327400		* ACTION: _	*
SITE NAME: SOUTHERN WOOD PIEDMONT CO#	SOURCE: H	* _____	*
STREET : PO BOX 1268 400 E 33RD ST	CONG DIST: 03	* _____	*
CITY : CHATTANOOGA	ZIP: 37401	* _____	*
CNTY NAME: HAMILTON	CNTY CODE : 065	* _____	*
LATITUDE : 35/01/01.5	LONGITUDE : 085/18/03.0	* _/_/_.	*
LL-SOURCE: R	LL-ACCURACY:	* _	*
SMSA : 1560	HYDRO UNIT: 06020001	* _____	*
INVENTORY IND: Y	REMEDIAL IND: Y	* _	*
REMOVAL IND: N	FED FAC IND: N	* _	*
NPL IND: N	NPL LISTING DATE:	* _/_/_	*
NPL DELISTING DATE:		* _/_/_	*
SITE/SPILL IDS:		* _ _ _ _	*
RPM NAME:	RPM PHONE: - -	* _____	*
SITE CLASSIFICATION:	SITE APPROACH:	* _	*
DIOXIN TIER:	REG FLD1:	* _____	*
	REG FLD2: 1	* _____	*
RESP TERM: PENDING ()	NO FURTHER ACTION ()	* PENDING (_)	*
		* NO FURTHER ACTION (_)	*
ENF DISP: NO VIABLE RESP PARTY ()	VOLUNTARY RESPONSE ()	* _	*
ENFORCED RESPONSE ()	COST RECOVERY ()	* _	*
SITE DESCRIPTION:		* _____	*
		* _____	*
		* _____	*
		* _____	*

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PAGE: 125
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M.2 - PROGRAM MAINTENANCE FORM

SITE: SOUTHERN WOOD PIEDMONT CO#

EPA ID: TND003327400 PROGRAM CODE: H01 PROGRAM TYPE:

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

* ACTION: _

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M.2 - EVENT MAINTENANCE FORM

* ACTION: _

SITE: SOUTHERN WOOD PIEDMONT CO#
PROGRAM: SITE EVALUATION

EPA ID: TND003327400 PROGRAM CODE: H01

EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: E

EVENT NAME: DISCOVERY

STATUS:

DESCRIPTION:

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

ORIGINAL	CURRENT	ACTUAL
START:	START:	START:
COMP :	COMP :	COMP : 08/01/80

* _/_/_/_ _/_/_/_ _/_/_/_ *

* _/_/_/_ _/_/_/_ _/_/_/_ *

HQ COMMENT:

* _ _ _ _ _ *

RG COMMENT:

* _ _ _ _ _ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

* _ _ _ _ _ *

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M.2 - EVENT MAINTENANCE FORM

SITE: SOUTHERN WOOD PIEDMONT CO#
PROGRAM: SITE EVALUATION

EPA ID: TND003327400 PROGRAM CODE: H01

EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: S

EVENT NAME: PRELIMINARY ASSESSMENT

STATUS:

DESCRIPTION:

* ACTION: _

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

ORIGINAL

CURRENT

ACTUAL

START:

START:

START: 01/01/84

* _/_/_ _/_/_ _/_/_ *

COMP :

COMP :

COMP : 03/01/84

* _/_/_ _/_/_ _/_/_ *

HQ COMMENT:

* _ _ _ _ *

RG COMMENT:

* _ _ _ _ *

COOP AGR #

AMENDMENT #

STATUS

STATE %

0

* _ _ _ _ *

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PAGE: 128
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M.2 - EVENT MAINTENANCE FORM

SITE: SOUTHERN WOOD PIEDMONT CO#
PROGRAM: SITE EVALUATION

EPA ID: TND003327400 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E

EVENT NAME: SITE INSPECTION STATUS:

DESCRIPTION:

* ACTION: _

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

ORIGINAL	CURRENT	ACTUAL
START:	START:	START: 09/01/83
COMP :	COMP :	COMP : 06/01/84

* _/_/_ _/_/_ _/_/_ *

* _/_/_ _/_/_ _/_/_ *

HQ COMMENT:

* _ _ _ _ _ *

RG COMMENT:

* _ _ _ _ _ *

COOP AGR #	AMENDMENT #	STATUS	STATE %
			0

* _ _ _ _ _ *

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RUN DATE: 06/29/87
RUN TIME: 11:41:36

M.2 - COMMENT MAINTENANCE FORM

SITE: SOUTHERN WOOD PIEDMONT CO#

EPA ID: TND003327400

COM
NO COMMENT

001 PART A- ON FILE

ACTION

*	-	_____	*
*		_____	*

R-586-10-4-31

**SITE INSPECTION REPORT
SOUTHERN WOOD PIEDMONT SITE
CHATTANOOGA, TENNESSEE**

TDD NO. F4-8303-06
EPA CONTRACT NO. 68-01-6699

FOR THE


AIR AND WASTE MANAGEMENT DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

January 28, 1985

NUS CORPORATION
SUPERFUND DIVISION

Submitted in May 1984 by: Brad Wallace
Reviewed in May 1984 by: Mary Leslie

Approved By


Murray Warner, P.E.
Regional Project Manager

**SITE INSPECTION REPORT
SOUTHERN WOOD PIEDMONT SITE
CHATTANOOGA, TENNESSEE
TND003327400**

A site inspection was conducted at the Southern Wood Piedmont Site on September 20, 1983. The inspection was conducted by Brad Wallace and Johnny Smith of NUS Corporation, Region IV Field Investigation Team (FIT). Mr. Ross Harrod, plant manager of the Chattanooga facility was present during the inspection to answer questions and guide a tour of the plant's waste disposal areas. The site inspection was conducted at the request of the U.S. Environmental Protection Agency (EPA), Air and Hazardous Materials Division, under Technical Directive Document (TDD) No. F4-8303-06. The inspection was conducted under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980.

Since 1925, the Southern Wood Piedmont Company has operated a wood preserving plant in Chattanooga, Tennessee. In June, 1981, to comply with notification of hazardous waste disposal sites required under CERCLA, ITT Rayonier, Incorporated (realty owner) reported to EPA the presence of a landfill where creosote/wood preserving wastes were disposed of at the Chattanooga, Tennessee, Southern Wood Piedmont plant.

The Chattanooga facility treats wood with the creosote preservative process. According to Mr. Ross Harrod, the Chattanooga plant has used only creosote solutions for wood preservation. Several waste management facilities exist at the plant. A surface impoundment recently constructed near the western border of the plant has been listed under RCRA as a K001 facility. On the Eastern side of the plant is the landfill disposal area which was the subject of this investigation.

The subject waste disposal area is approximately one acre in size, and includes a lagoon on the southern bank of the landfill which receives drainage from the landfill (see Figure 2). According to Mr. Harrod, much of the landfill material is

demolition debris. Demolition debris was also discarded into the lagoon from time to time in an effort to fill it in. According to Mr. Harrod, records concerning the types and quantities of waste disposed of in the landfill were not available.

Southern Wood Piedmont's Chattanooga facility is located in the Southern portion of Hamilton County. The site is bordered by a railroad line to the west, a railyard to the north, Chattanooga Creek to the east, and an elementary school approximately $\frac{1}{4}$ mile to the south (see Figure 1). The Tennessee River is approximately 1 mile northwest of the site. The plant is located in a wide valley between Missionary Ridge to the east and Lookout Mountain to the west. The plant itself lies on relatively flat terrain at an elevation of between 650 and 680 feet NGVD elevation. Chattanooga Creek, with an elevation of about 635 feet, has an extensive flood plain adjacent to the site.

Reference literature indicates that two general type of rock units underlie the Chattanooga plant site: the Chickamauga Super Group and the Knox Group. A major fault line, the Chattanooga Fault Zone, is a thrust fault which passes through the City of Chattanooga. The surface trace of this fault runs north to south and bisects the plant area, thus a significant percentage of the area may be resting upon the deformed zone. The Chickamauga Super Group (middle Ordovician) forms the bedrock on the western side of the fault, while the older Knox Group (lower Ordovician) lies atop the Chickamauga east of the fault, the direction of movement being east to west for the Knox Group.

The Chickamauga Super Group contains several rock units, most of which are predominately limestone. Locally it is considered a poor aquifer having a thin (generally less than 10 feet) weathered zone on its upper surface. More permeable portions of the Chickamauga consist of limestone containing solution cavities. Landforms on the U.S.G.S. Topographic map (Figure 1) indicate the presence of solution features such as numerous isolated depressions (sinkholes) north and west of the site.

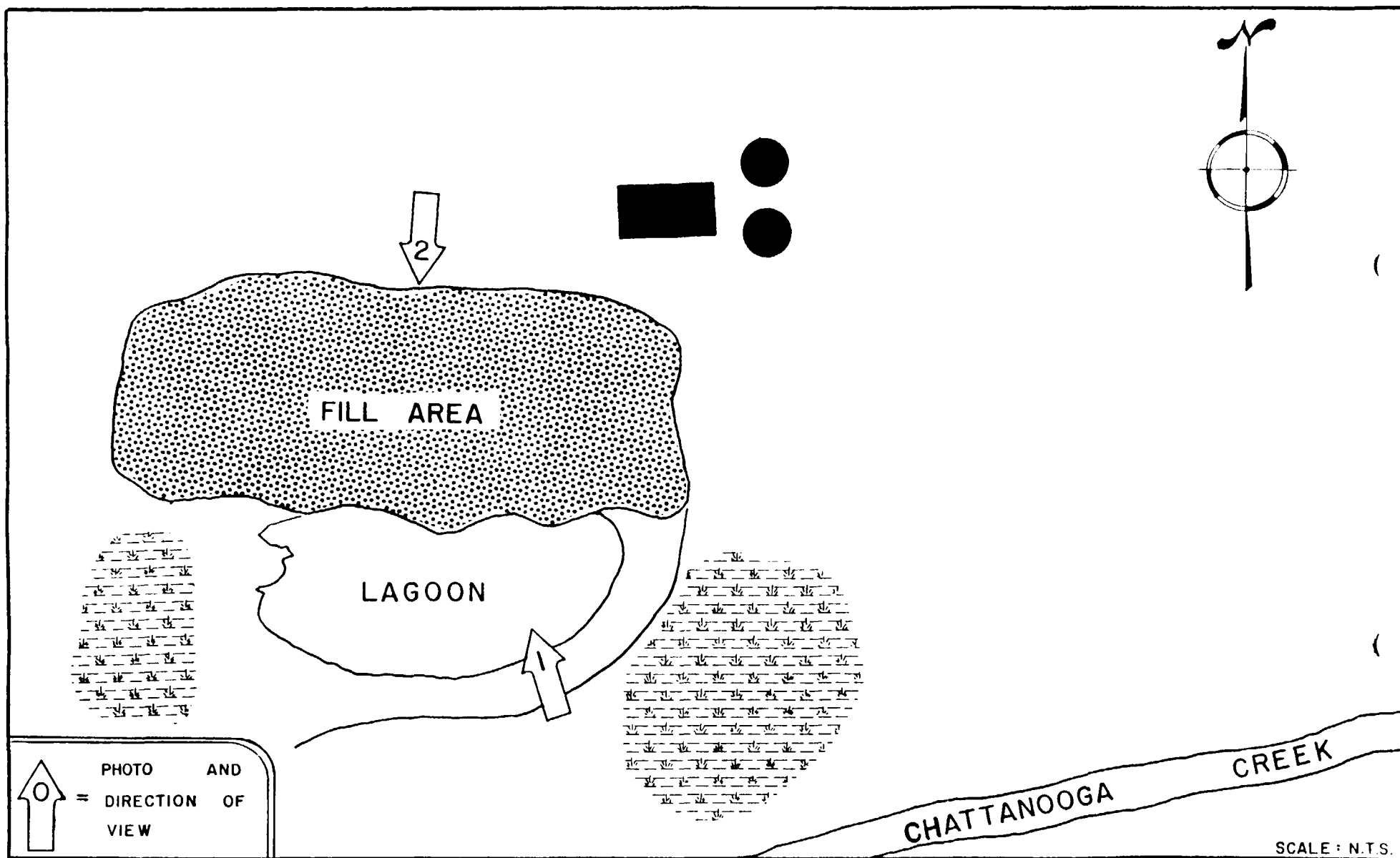
The Knox group contains four major rock units which are composed primarily of dolomite. These units are, in increasing age: the Mascot Dolomite, the Kingsport Formation, the Chepultepec Dolomite, and the Copper Ridge Dolomite. This group has a relatively thick weathered layer and is considered the best aquifer in the county. This is due, in part to the presence of fracture and solution features, the presence of fossiliferous zones within the rocks and to the permeability increase normally resulting from dolomitization.

The presence of solution features in both rock units exercises an influence on groundwater occurrence and flow patterns. In the fault zone area these features can be expected to locally deviate from the regional norm, thus altering the local groundwater flow patterns.

Additional site inspection information is contained in the Site Inspection Report Form (EPA Form T2070-3), supporting tables and illustrations included in this report.

Additional information and documentation collected during the course of the site inspection is included with this report. The monitoring well analysis included in this section is for the plants K001 facility.

Photographs of the disposal area taken during the inspection are attached. Figure 2 indicates the location and direction of view for each photograph.



DISPOSAL AREA
SOUTHERN WOOD PIEDMONT
CHATTANOOGA, TENNESSEE

FIGURE 2

**PRIVATE WATER SUPPLY
WELLS IN THE VICINITY
OF THE SOUTHERN WOOD PIEDMONT COMPANY SITE
CHATTANOOGA, TENNESSEE**

Well #	Well Depth	Aquifer Depth	Elevation	Depth to Water	Water Level Elevation	Use	Owner	Lat/Long	Year
732	180'	177'	--	--	--	*	11th St. Develop- ment Co. (TVA)	35°02'25" 85°18'00"	1979
102	241'	200'	650'	20'	630'	Unknown	Johnson's Truck Stop	35°01'00" 85°17'30"	1966

* - Reported to be contaminated with oil

NOTE: This is not a complete list of wells. All wells drilled prior to 1963 may not be represented. Further, the current condition/use of the wells listed above is unknown. Well inventory obtained from the State of Tennessee Groundwater Management Office.

Lean 8/12/98

**FOIA
EXEMPTION** 7C 9

[Signature] 9/5/91
Date

REFERENCES

1. Groundwater Resources of East Tennessee; Tennessee Division of Geology, Bulletin 58, Part 1; Nashville, TN 1956.
2. Tennessee's Water Quality and Stream Use Classifications for Interstate and Intrastate Streams; Tennessee Water Quality Control Board, Department of Public Health; Nashville, TN 1983.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by HQ)
IV	TND 003327400

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Southern Wood Piedmont		B. STREET (or other identifier) 400 West 33rd Street	
C. CITY Chattanooga	D. STATE TN	E. ZIP CODE 37410	F. COUNTY NAME Hamilton
G. SITE OPERATOR INFORMATION		2. TELEPHONE NUMBER	
1. NAME Southern Wood Piedmont		615-266-5628	
3. STREET 400 W. 33rd Street	4. CITY Chattanooga	5. STATE TN	6. ZIP CODE 37410
H. REALTY OWNER INFORMATION (if different from operator of site)		2. TELEPHONE NUMBER	
1. NAME III Rayonier, Inc.		404-996-1460	
3. CITY P. O. Box 45165, Atlanta	4. STATE GA	5. ZIP CODE 30320	
I. SITE DESCRIPTION landfill, surface impoundment from wood preserving facility			
J. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE			

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.) 2-6-84	B. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input checked="" type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE
C. PREPARER INFORMATION	
1. NAME Brad Wallace	2. TELEPHONE NUMBER 404/938-7710
3. DATE (mo., day, & yr.) 2-6-84	

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION		
1. NAME Brad Wallace	2. TITLE Environmental Scientist	
3. ORGANIZATION NUS CORPORATION Field Investigation Team (FIT)	4. TELEPHONE NO. (area code & no.) 404-938-7710	
B. INSPECTION PARTICIPANTS		
1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
Brad Wallace	NUS Region IV FIT	404/938-7710
John Smith	NUS Region IV FIT	404/938-7710
C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residence)		
1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Ross Harrod, Plant Mgr.	615/266-5628	400 W. 33rd St., Chattanooga, TN 37410

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (source of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
N/A			

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
N/A			

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL

1. NAME	2. TELEPHONE NO.	3. ADDRESS
N/A		

G. DATE OF INSPECTION (mo., day & yr.) **10-20-83** H. TIME OF INSPECTION **1000-1200** I. ACCESS GAINED BY: (credentials must be shown in all cases)

☒ 1. PERMISSION☐ 2. WARRANT

J. WEATHER (describe)

mild and clear

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent (e.g., regional lab, local lab, contractor, etc., and estimate when the results will be available).

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
	NONE TAKEN	

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

NUS CORPORATION, REGION IV FIT

D. SITE MAPPED?

☐ YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)

35°00'55"

2. LONGITUDE (deg.-min.-sec.)

85°18'10"

V. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)☐ 2. INACTIVE (Those sites which no longer receive wastes.)☐ 3. OTHER (specify):
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☐ 1. NO☒ 2. YES (specify generator's four-digit SIC Code): 2491

C. AREA OF SITE (in acres)

<1.0

D. ARE THERE BUILDINGS ON THE SITE?

☒ 1. NO ☐ 2. YES (specify):

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

<input checked="" type="checkbox"/> A. TRANSPORTER	<input checked="" type="checkbox"/> B. STORER	<input checked="" type="checkbox"/> C. TREATER	<input checked="" type="checkbox"/> D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	<input checked="" type="checkbox"/> 1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	<input checked="" type="checkbox"/> 2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	<input checked="" type="checkbox"/> 3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	<input checked="" type="checkbox"/> 4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS./TREATMENT	<input checked="" type="checkbox"/> 5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	<input checked="" type="checkbox"/> 6. INCINERATION
		7. WASTE OIL REPROCESSING	<input checked="" type="checkbox"/> 7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	<input checked="" type="checkbox"/> 8. OTHER (specify):
		9. OTHER (specify):	

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this form.

☐ 1. STORAGE ☐ 2. INCINERATION ☐ 3. LANDFILL ☐ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL

☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

☒ 1. LIQUID ☐ 2. SOLID ☒ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE ☐ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE

☒ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☐ 8. FLAMMABLE

☐ 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

No

C. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category, mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
12,750 (estimated)					
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
cubic feet					
<input checked="" type="checkbox"/> 1. PAINT, PIGMENTS	<input type="checkbox"/> (1) OILY WASTES	<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS	<input checked="" type="checkbox"/> 1. ACIDS	<input checked="" type="checkbox"/> 1. FLYASH	<input checked="" type="checkbox"/> 1. LABORATORY PHARMACEUT.
<input type="checkbox"/> 2. METALS SLUDGES	<input type="checkbox"/> (2) OTHER (specify):	<input type="checkbox"/> (2) NON-HALOGENATED SOLVENTS	<input type="checkbox"/> 2. PICKLING LIQUORS	<input type="checkbox"/> 2. ASBESTOS	<input type="checkbox"/> (2) HOSPITAL
<input type="checkbox"/> 3. POTW		<input type="checkbox"/> (3) OTHER (specify):	<input type="checkbox"/> 3. CAUSTICS	<input type="checkbox"/> (3) MILLING/MINE TAILINGS	<input type="checkbox"/> (3) RADIOACTIVE
<input type="checkbox"/> 4. ALUMINUM SLUDGE			<input type="checkbox"/> 4. PESTICIDES	<input type="checkbox"/> 4. FERROUS SMELTING WASTES	<input type="checkbox"/> (4) MUNICIPAL
<input checked="" type="checkbox"/> 5. OTHER (specify):			<input type="checkbox"/> 5. DYES/INKS	<input type="checkbox"/> 5. NON-FERROUS SMELTING WASTES	<input type="checkbox"/> (5) OTHER (specify):
sludges for creosote treatment plant.			<input type="checkbox"/> 6. CYANIDE	<input type="checkbox"/> 6. OTHER (specify):	
			<input type="checkbox"/> 7. PHENOLS		
			<input type="checkbox"/> 8. HALOGENS		
			<input type="checkbox"/> (9) PCB		
			<input type="checkbox"/> 10. METALS		
			<input type="checkbox"/> 11. OTHER (specify):		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')				3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAP.	d. POR.	a. HIGH	b. MED.	c. LOW	d. NONE			
Fluorene*	X								86-73-7	unknown	
Phenanthrene*	X								85-01-8	unknown	
Fluoranthene*									206-44-0	unknown	
Pyrene*	X								129-00-0	unknown	
Acenaphthene*	X								83-32-9	unknown	
Dibenzofuran*										unknown	
*Common constituent of creosote											

VII. HAZARD DESCRIPTION

FIELD EVALUATION: HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

☐ B. NON-WORKER INJURY/EXPOSURE☐ C. WORKER INJURY/EXPOSURE☐ D. CONTAMINATION OF WATER SUPPLY☐ E. CONTAMINATION OF FOOD CHAIN☐ F. CONTAMINATION OF GROUND WATER

Potential. Integrity of landfill cap and liner is unknown.

☐ G. CONTAMINATION OF SURFACE WATER

Site is near Chattanooga Creek (1000'), in 100 year flood plain

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA☐ I. FISH KILL☐ J. CONTAMINATION OF AIR☐ K. NOTICEABLE ODORS☐ L. CONTAMINATION OF SOIL☐ M. PROPERTY DAMAGE

VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

Potential during periods of heavy rainfall.

☐ P. SEWER, STORM DRAIN PROBLEMS

Drainage from site enters a lagoon. Demolition debris is discarded into lagoon from time to time in an effort to fill it in.

☐ Q. EROSION PROBLEMS

☐ R. INADEQUATE SECURITY

Site is not readily accessible to the general public.

☐ S. INCOMPATIBLE WASTES

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	None known to be affected			
2. IN COMMERCIAL OR INDUSTRIAL AREAS	population of Chattanooga is reported to be 169,565			
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS (parks, schools, etc.)				

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit) unknown	B. DIRECTION OF FLOW unknown	C. GROUNDWATER USE IN VICINITY unknown
D. POTENTIAL YIELD OF AQUIFER unknown	E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure) approx. 0.9 miles to closest	F. DIRECTION TO DRINKING WATER SUPPLY known NE

G. TYPE OF DRINKING WATER SUPPLY

- ☒ 1. NON-COMMUNITY < 15 CONNECTIONS*
 ☒ 2. COMMUNITY (specify town): Chattanooga, TN
☒ 3. SURFACE WATER
 ☒ 4. WELL

X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
		NONE KNOWN WITHIN 1/4 MILE		

I. RECEIVING WATER

1. NAME

Chattanooga Creek

☐ 2. SEWERS☒ 3. STREAMS/RIVERS☐ 4. LAKES/RESERVOIRS☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Industrial, fish aquatic life, irrigation, livestock water and wild life

XI. SOIL AND VEGETATION DATA

LOCATION OF SITE IS IN:

☒ A. KNOWN FAULT ZONE☒ B. KARST ZONE☒ C. 100 YEAR FLOOD PLAIN☐ D. WETLAND☐ E. A REGULATED FLOODWAY☐ F. CRITICAL HABITAT☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
X	1. SAND	X	Chickamauga Limestone		
X	2. CLAY	X	Knox Group		
X	3. GRAVEL				

XIII. SOIL PERMEABILITY

☒ A. UNKNOWN☐ B. VERY HIGH (100,000 to 1000 cm/sec.)☐ C. HIGH (1000 to 10 cm/sec.)☐ D. MODERATE (10 to .1 cm/sec.)☐ E. LOW (.1 to .001 cm/sec.)☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☒ 1. YES☐ 2. NO

3. COMMENTS:

H. DISCHARGE AREA

☒ 1. YES☐ 2. NO

3. COMMENTS:

Chattanooga Creek

I. SLOPE

1. ESTIMATE % OF SLOPE

10%

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

generally elevation decreasing to the east

J. OTHER GEOLOGICAL DATA

Above geological data from reference literature and plant records.

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UN- KNOWN
NPDES	TN-DPH	TN0028380	2-21-82	2-21-87			X
RCRA	-	Interim Status					X

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (summarize in this space)

States files (TN-DPH) indicate several violations under RCRA

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

1. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TN	TND003327400

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Southern Wood Piedmont Co.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER P.O. Box 1368 400 E. 33rd St.			
03 CITY Chattanooga	04 STATE TN	05 ZIP CODE 37401	06 COUNTY Hamilton	07 COUNTY CODE 065	08 CONG DIST 03
09 COORDINATES LATITUDE 35 01 01.5		LONGITUDE 085 10 03.0			
10 DIRECTIONS TO SITE (Starting from nearest public road) one mile E. of Tennessee River					

III. RESPONSIBLE PARTIES

01 OWNER (if known) Southern Wood Piedmont Co.		02 STREET (Business, mailing, residential) P.O. Box 5447			
03 CITY Spartanburg	04 STATE SC	05 ZIP CODE 29304	06 TELEPHONE NUMBER (803) 576-7660		
07 OPERATOR (if known and different from owner) Edward J. Gibbs Environmental Eng.		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER (615) 266-5628		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check as that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103) DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> C. NONE					
--	--	--	--	--	--

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 1/12/83 <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1925 ENDING YEAR present <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED beats wood with a creosote preservative process					
---	--	--	--	--	--

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION There are several waste management facilities that exist on the site. A fairly recently constructed pond near the western border of the site has been listed with RCRA as a K001 facility.					
---	--	--	--	--	--

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Inspection) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on next available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
---	--	--	--	--	--

VI. INFORMATION AVAILABLE FROM

01 CONTACT Lynn Bidwell		02 OF (Agency, Organization) DSWM		03 TELEPHONE NUMBER (615) 742-6649	
04 PERSON RESPONSIBLE FOR ASSESSMENT Karen Bonner		05 AGENCY DSWM		06 ORGANIZATION (615) 741-6287	
				07 TELEPHONE NUMBER (615) 741-6287	
				08 DATE 12/14/83 MONTH DAY YEAR	



EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION

01 STATE 02 SITE NUMBER

TN TN0003327400

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

TN TND003327400

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Sediment/sludging liquid/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

The major concern is the groundwater monitoring wells. Last inspection - 2 ground-water wells violations were found.

V. SOURCES OF INFORMATION (Cite specific references, e. g., State Reg. Section Number, Reports)

POOR LEGIBILITY

**PORTIONS OF THIS DOCUMENT
MAY BE UNREADABLE, DUE TO
THE QUALITY OF THE
ORIGINAL**



Date 10/20/83 By Whom: B. Wallace
Time: 1020 # keyed to map: 2
Location: Southern Wood Piedmont
Chatanooga, TN F4830306
Picture of: DISPOSAL AREA facing
NW

Date 10-20-83 By Whom: B. Wallace
Time: 1010 # keyed to map: 1
Location: Southern Wood Piedmont
Chatanooga, TN
Picture of: Disposal area-
facing south
F4830306

MAY 18 1983



Southern Wood Piedmont Company

Appie 5-17
Frank 6-
File
RVA 5-18
DAS 5-27

P. O. Box 5447
Spartanburg, S. C. 29304

Phone 803/576-7660

11-M-1.10.2
May 9, 1983

Hamilton Co.
33-121

Ms. Lynn L. Birdwell
DIVISION OF SOLID WASTE MANAGEMENT
Department of Public Health
Nashville, Tennessee 37219

Dear Ms. Birdwell:

Enclosed are our most recent groundwater analyses and the geology report of our facility at Chattanooga, Tennessee.

I have contacted Mr. Don Miller, of Law Engineering, for additional data relating to the placement of groundwater monitoring wells at the plant. I will send you a copy of his report.

The pH and conductance submitted with the 4th quarter groundwater data should have shown that both values (pH and conductance) were the same for four (4) replications. A corrected copy of our field measurements is enclosed.

If additional information is needed, please contact me at 803/576-7660.

Sincerely,

SOUTHERN WOOD PIEDMONT COMPANY

Edward L. Gibbs
Environmental Manager

ELG:kwm

cc: C. A. Burdell

LJS

**SAVANNAH LABORATORIAL
AND ENVIRONMENTAL SERVICES, INC.**
P.O. Box 13842 • Savannah, Ga. 31406
912/354-7858

James W. Andrews, Ph.D.
President
Janette M. Davis
Chief Chemist, I.P.



REPORT OF ANALYSIS

TO: Mr. E. L. Gibbs
Southern Wood Piedmont Company
P.O. Box 5447
Spartanburg, S.C. 29304

REPORT NO. 4459-1

SAMPLING DATE 2/15/83

IDENTIFICATION: Groundwater monitoring report for sample 1
at Chattanooga, Tenn. plant.

METHODS: EPA-530/SW-611, EPA-600/4-79-002, and EPA-SW-646-1980

Section 265.92 - paragraph b(2) parameters:

	<u>mg/liter</u>
Chlorides	<u>8</u>
Iron	<u><0.1</u>
Manganese	<u><0.05</u>
Phenols	<u><0.01</u>
Sodium	<u>11</u>
Sulfate	<u>35</u>

Section 265.92 - paragraph b(3) parameters:

	<u>Replicate Analyses</u>			
TOC (mg/l)	<u>15</u>	<u>11</u>	<u>15</u>	<u>17</u>
Oil & grease (mg/l)	<u><5</u>	<u></u>	<u></u>	<u></u>

James W. Andrews
James W. Andrews, Ph.D.

RECEIVED

FEB 16 1983

ENVIRONMENTAL AFFAIRS

James W. Andrews, Ph.D.
President
Janette M. Davis
Chief Chemist, I.P.

**SAVANNAH LABORATORIE
AND ENVIRONMENTAL SERVICES, INC.**
P.O. Box 13842 • Savannah, Ga. 31406
912/354-7858



REPORT OF ANALYSIS

TO: Mr. E. L. Gibbs
Southern Wood Piedmont Company
P.O. Box 5447
Spartanburg, S.C. 29304

REPORT NO. 4459-2

SAMPLING DATE 2/15/83

IDENTIFICATION: Groundwater monitoring report for sample 2
at Chattanooga, Tenn. plant.

METHODS: EPA-530/SW-611, EPA-600/4-79-002, and EPA-SW-646-1980

Section 265.92 - paragraph b(2) parameters:

	<u>mg/liter</u>
Chlorides	<u>7</u>
Iron	<u>0.2</u>
Manganese	<u><0.05</u>
Phenols	<u>0.6</u>
Sodium	<u>14</u>
Sulfate	<u>22</u>

Section 265.92 - paragraph b(3) parameters:

	<u>Replicate Analyses</u>			
TOC (mg/l)	<u>72</u>	<u>56</u>	<u>54</u>	<u>60</u>
Oil & grease (mg/l)	<u><5.0</u>	<u></u>	<u></u>	<u></u>


James W. Andrews, Ph.D.

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FEB 15 1983

ENVIRONMENTAL AFFAIRS

James W. Andrews, Ph.D.
President
Janette M. Davis
Chief Chemist, V.P.

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AND ENVIRONMENTAL SERVICES, INC.**
P.O. Box 13842 • Savannah, Ga. 31406
912/354-7858



REPORT OF ANALYSIS

TO: Mr. E. L. Gibbs
Southern Wood Piedmont Company
P.O. Box 5447
Spartanburg, S.C. 29304

REPORT NO. 4459-3
SAMPLING DATE 2/15/83

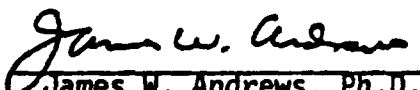
IDENTIFICATION: Groundwater monitoring report for sample 3
at Chattanooga, Tenn. plant.
METHODS: EPA-530/SW-611, EPA-600/4-79-002, and EPA-SW-646-1980

Section 265.92 - paragraph b(2) parameters:

	<u>mg/liter</u>
Chlorides	<u>7</u>
Iron	<u>0.5</u>
Manganese	<u>0.9</u>
Phenols	<u>0.01</u>
Sodium	<u>22</u>
Sulfate	<u>140</u>

Section 265.92 - paragraph b(3) parameters:

	<u>Replicate Analyses</u>			
TOC (mg/l)	<u>23</u>	<u>20</u>	<u>19</u>	<u>24</u>
Oil & grease (mg/l)	<u><5.0</u>	<u></u>	<u></u>	<u></u>


James W. Andrews, Ph.D.

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FEB 16 1983

ENVIRONMENTAL AFFAIRS

James W. Andrews, Ph.D.
President
Janelle M. Davis
Chief Chemist, V.P.

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**
P.O. Box 13842 • Savannah, Ga. 31406
912/354-7858



REPORT OF ANALYSIS

TO: Mr. E. L. Gibbs
Southern Wood Piedmont Company
P.O. Box 5447
Spartanburg, S.C. 29304

REPORT NO. 4459-4
SAMPLING DATE 2/15/83

IDENTIFICATION: Groundwater monitoring report for sample 4
at Chattanooga, Tenn. plant.
METHODS: EPA-530/SW-611, EPA-600/4-79-002, and EPA-SW-646-1980

Section 265.92 - paragraph b(2) parameters:

	<u>mg/liter</u>
Chlorides	<u>6</u>
Iron	<u>0.1</u>
Manganese	<u><0.05</u>
Phenols	<u><0.01</u>
Sodium	<u>9</u>
Sulfate	<u>32</u>

Section 265.92 - paragraph b(3) parameters:

	<u>Replicate Analyses</u>			
TOC (mg/l)	<u>8.2</u>	<u>6.7</u>	<u>8.7</u>	<u>7.9</u>
Oil & grease (mg/l)	<u><5.0</u>	<u></u>	<u></u>	<u></u>

James W. Andrews
James W. Andrews, Ph.D.

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10 1983

ENVIRONMENTAL AFFAIRS

PLANT SITE:

Chattanooga

DATE:

2/15/93

TIME:

10:30

WELL NO.:

4

TIME:

9:35

TEMPERATURE:

56°

SAMPLER:

Michael A. Rell

pH:

6.4 x 4

CONDUCTANCE:

520 uohms x 4 repPIPE TOP TO H₂O:19' 2"

ST. PIPE HT. ABOVE GROUND:

30"

WELL DEPTH:

16' 8"

WELL NO.:

3

TIME:

9:45

TEMPERATURE:

56°

SAMPLER:

Michael A. Rell

pH:

6.6 x 4 rep

CONDUCTANCE:

600 uohms x 4 repPIPE TOP TO H₂O:5.5"

ST. PIPE HT. ABOVE GROUND:

44'

WELL DEPTH:

3' 8"

WELL NO.:

2

TIME:

9:55

TEMPERATURE:

55°C

SAMPLER:

Michael A. Rell

pH:

10.5 x 4 rep

CONDUCTANCE:

2,300 x 4 repPIPE TOP TO H₂O:8' 2"

ST. PIPE HT. ABOVE GROUND:

28"

WELL DEPTH:

5' 10"

WELL NO.:

1

TIME:

10:05

TEMPERATURE:

56°

SAMPLER:

Michael A. Rell

pH:

6.6 x 4 rep

CONDUCTANCE:

320 uohms x 4 repPIPE TOP TO H₂O:20"

ST. PIPE HT. ABOVE GROUND:

34"

WELL DEPTH:

+ 1' 2"
above ground

GROUNDWATER MONITORING
CHAIN OF CUSTODY RECORD

Company's Name Southern Wood Piedmont Co.
 Location Chattanooga Tenn.
 Collector's Name Michael A. Rodden Company Southern Wood Piedmont
 Method of Collection Grab
 Date sampled February 15, 1983
 Field Information Sunny + Mild 50's
recent rain, ground still moist.

Time	Well No.	Collector's No.	Amount	*Water Elevation	Lab No.
8:35	4	—	all bottom	19'2"	
9:50	3		"	5'5"	
10:00	2		"	1'8"	
10:20	2			8'2"	

Chain of Possession

Inclusive Dates

1. Michael A. Rodden Collector 2-15/83
 signature
 2. [Signature]
 signature
 3. Mary Letchas 2/16/83
 signature

*Feet from water surface to top of casing.

RECEIVED

1983

ENVIRONMENTAL AFFAIRS

RECEIVED

SEP 24 1981

ENVIRONMENTAL AFFAIRS

Handy copy
H/W

11/29

MTB
EFB
MAR

cc

should you have any questions, please feel free to call.

As discussed in the above mentioned memo, this item is being sent to you in draft form due to significant differences between the proposed program and previously submitted programs for other ITT plant sites.

As stated in our September 18 memo, we are enclosing a draft of the "Summary of Pertinent Background Information" for the Chattanooga, Tennessee Plant site.

Draft of "Summary
of Pertinent Back-
ground Information"
Chattanooga,
Tennessee Plant

September 22, 1981

SUBJECT:

DATE:

FROM: Don Miller and
Russ Schlecht

TO: Charles Burdell

M E M O R A N D U M

DRAFT SUMMARY OF PERTINENT BACKGROUND INFORMATION

The Chattanooga Plant of the Southern Wood Piedmont Company is located in the southwestern part of Hamilton County, Tennessee, slightly more than one mile east of the Tennessee River. The plant is south of downtown Chattanooga and is bordered to the west by a railroad line, to the north by a rail yard, and to the east by Chattanooga Creek. Topographically, the plant is located in a wide valley between Missionary Ridge to the east, and Lookout Mountain to the west. The main plant area containing the buildings, wood storage area, and waste-water impoundments is on a relatively flat area lying between 650 and 680 ft. NGVD elevation. Chattanooga Creek, at an elevation of about 635 feet, has an extensive floodplain south of the site. The west side of this floodplain narrows considerably adjacent to the plant.

The Chattanooga Plant treats wood with the creosote preservative process. Several waste management facilities exist on the site. A fairly recently constructed pond near the western border of the site has been listed with RCRA as a K001 facility, and is the facility of primary interest in this program.

Hamilton County, Tennessee spans portions of two physiographic provinces, with the Cumberland Plateau present in the northwest and the Valley and Ridge in the southeast. The plant is located in the Valley and Ridge province, approximately 3 miles east of the Cumberland Escarpment.

The Valley and Ridge physiographic province is composed of a thick sequence of well-indurated sedimentary rocks which have undergone extensive deformation due to regional folding and faulting. The fault traces and long axes of major folds trend northeast-southwest. These structural features have caused their

associated rock units to outcrop in bands parallel to the fold axes. Differential erosion of the various rock types and the parallel orientation of all of these features have formed a series of alternating valleys and ridges, from which the province name results.

Most of the major fault systems in the Chattanooga area, which have been inactive for an extensive period of geologic time, are low to medium angle thrust faults. This type of fault involves movement of a body of rock up to several square miles in extent over an adjacent body of rock. A fault of this type does not exhibit a single fault plane, but develops a semi-horizontal zone of major faulting at the interface between the two rock units. Secondary structural features such as drag folds and tension cracks form in and adjacent to this zone due to the friction of one rock mass moving up to several miles over another. Heat from the friction, compression from the mass of overriding rock, and stresses at the interface all combine to create a highly deformed zone in both rock units. In carbonate rocks (limestone and dolomite) this deformation can lead to very complex ground water conditions. Zones of high permeability caused by carbonate solution in open fractures and faults, and impermeable zones formed by rock recrystallization or the presence of fault gouge may be intermixed within the general fault zone, on scales ranging from several feet to several miles. The presence and orientation of these zones provide a significant control on ground-water occurrence and movement. Their influence can override factors normally controlling ground-water flow, such as undeformed permeability, regional topography, and even regional rock unit orientation.

The Chattanooga Fault Zone is a major thrust fault which passes through the City of Chattanooga. The surface trace of this fault has been mapped as a north-south oriented line through the plant site (Avel et al, 1979). This line virtually bisects the plant area, implying that a significant percentage of the area may be resting upon the deformed zone. This inference is further reinforced by several features of Chattanooga Creek which appear to be controlled by the subsurface structure.

Two general rock units appear to be present beneath the Chattanooga Plant site, the Chickamauga Super Group and the Knox Group. The Chickamauga Super Group (middle Ordovician) forms the bedrock on the western side of the fault, while the older Knox Group (lower Ordovician) lies on top of the Chickamauga east of the fault. The direction of movement for the Knox Group was from east to west.

The Chickamauga Super Group contains several rock units, most of which are predominately limestone. On a regional basis it is considered a poor to fair aquifer, depending upon the rock unit present, and is noted for a thin (generally less than 10 feet) weathered zone on its upper surface. The more permeable portions of the Chickamauga consist of limestone within which solution channels have developed. Several land forms shown on the U.S.G.S. topographic map, which includes the site, are possible solution features. Numerous shallow, isolated depressions present north and west of the site appear very similar in form to a subsidence sinkhole, a common feature in Karst terrains.

The Knox Group, which rests on top of the Chickamauga Super Group east of the fault, contains four major rock units which are composed primarily of dolomite. These units are, in increasing age; the Mascot Dolomite; the Kingsport Formation; the Chepultepec Dolomite; and the Copper Ridge Dolomite. This group is noted for

a relatively thick weathered layer, frequently containing significant amounts of residual chert. It is also considered the best aquifer in the county, normally yielding significant quantities of water to wells. This high water-yielding capability is due to several factors, including:

- The normally thicker residual overburden which serves to increase the percentage of precipitation available for infiltration;
- The presence of fossiliferous zones within the rocks;
- The permeability increase normally resulting from dolomitization; and
- The presence of fractures and solution features.

In both rock units the presence of solution features exercises an important, and frequently controlling, influence on ground-water occurrence and flow patterns. In the fault zone area these features can be expected to locally deviate from the regional norm, thereby altering the local ground-water flow patterns.

REFERENCE

Avel, Andrew P., Gary S. Hartman, A. Ray Leamon, Edward T. Luther, Stuart W. Maher, Robert C. Milici, Preston D. Sitterly, and Robert L. Wilson; 1979. Geology of Hamilton County, Tennessee, Tennessee Division of Geology Bulletin 79, 128 p.

Michael T. Breen
Director of Legal and
Environmental Affairs

Sub
TN5000001093
ITT Rayonier Inc.
P.O. Box 45165
Atlanta, Georgia 30320
(404) 996-1460



June 15, 1981

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

U.S. EPA Region 4
Sites Notification
Atlanta, Georgia 30308

Re: Notifications of Hazardous
Waste Sites

Gentlemen:

As required by Section 103 (c) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (aka SUPERFUND), Southern Wood Piedmont Company, an ITT Rayonier Inc. subsidiary, filed eight (8) Notifications of Hazardous Waste Site forms (EPA form 8900-1) with your office. These forms were submitted with our Mr. C.A. Burdette letter of June 4, 1981, and pertain to the following wood preserving plant site locations:

RECEIVED
EPA/REGION 4
0900008
EPA IDENTIFICATION
NUMBER

	<u>STREET</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE</u>	<u>ZIP</u>	<u>EPA IDENTIFICATION NUMBER</u>
(1.)	1650 Nixon Road	Augusta	Richmond	Georgia	30903	GAD051034387
(2.)	900 North Center Street	Baldwin	Duval	Florida	32234	FLD004053450
(3.)	400 East 33rd Street	Chattanooga	Hamilton	Tennessee	37401	TND003327400
(4.)	1745 Connally Drive	East Point	Fulton	Georgia	30364	GAD067560870
(5.)	2139 State Road	Gulf	Chatham	North Carolina	27256	NONE*
(6.)	3210 Roff Avenue	Macon	Bibb	Georgia	31203	GAD003264074
(7.)	Sigsbee Plant (P.O. Box 5447)	Spartanburg	Spartanburg	South Carolina	29304	SCD049690001
(8.)	Foot of Greenfield Street	Wilmington	New Hanover	North Carolina	28401	NCD058517467

*CLOSED FACILITY

In each Notification of Hazardous Waste Activity form relative to each of the foregoing site locations, we intended to include a statement, but-inadvertently-we did not do so. The statement is as follows:

U.S. EPA Region 4
June 15, 1981
Page -2-

Southern Wood Piedmont Company is a licensed applicator of a pesticide product registered under the Federal Insecticide, Fungicide and Rodenticide Act and, as such, may be exempted - under Section 103 (e) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 - from filing this Notice. Until the scope of this exemption is further defined, it is not clear that our company is obligated to file this Notice. Nevertheless, we have elected to so file to avoid any liability for failing to report, pending full clarification as to the said Section 103 (e) exemption.

So that our Notification of Hazardous Waste Activity forms may be complete and our reservation of rights duly recorded, you are hereby advised that each such form is to contain the foregoing statement. Accordingly, we have enclosed eight (8) copies of this letter, one each to be placed with our Notification of Hazardous Waste Activity forms on each of the above-identified site locations.

Your assistance and cooperation are very much appreciated.

Sincerely yours,



MTB/cw

- cc: (1.) Mr. Charles A. Burdell, Manager, Environmental Affairs -
Wood Products, ITT Rayonier Inc.
(2.) Mr. Charles A. Counsil, Vice President and Chief Operating
Officer, Southern Wood Piedmont Company

**ADDITIONAL DOCUMENTATION
SOUTHERN WOOD PIEDMONT
CHATTANOOGA, TENNESSEE
TND003327400**



This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609 TND003327400

TNS 000001093

Enter the name and address of the person or organization required to notify.

Name	ITT Rayonier, Inc.		
Street	P. O. Box 45165		
City	Atlanta	State	GA - Zip Code 30320

Enter the common name (if known) and actual location of the site.

Name of Site	Southern Wood Piedmont Company				
Street	400 East 33rd Street				
City	Chattanooga	County	Hamilton	State	TN
				Zip Code	37401

TNP 003327400

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) Burdell, Charles-Dir. Environmental Affairs
Phone 404/996-1460

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year) 1925 To (Year) Present

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item 1—Description of Site.

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

Place an X in the appropriate boxes.

1. ☒ Organics
2. ☐ Inorganics
3. ☐ Solvents
4. ☒ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☐ Other (Specify)

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☒ Other (Specify)

Wood Preserving

EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

[illegible]

RECEIVED
EPA/REGION IV
JUN 3 3 17 PM '86
ENFORCEMENT
DIVISION

900472

Notification of Hazardous Waste

Side Two

F Waste Quantity: Place an X in the appropriate boxes to indicate the facility types found at the site. In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons. In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	Facility Type 1. <input type="checkbox"/> Piles 2. <input type="checkbox"/> Land Treatment 3. <input checked="" type="checkbox"/> Landfill 4. <input type="checkbox"/> Tanks 5. <input type="checkbox"/> Impoundment 6. <input type="checkbox"/> Underground Injection 7. <input type="checkbox"/> Drums, Above Ground 8. <input type="checkbox"/> Drums, Below Ground 9. <input type="checkbox"/> Other (Specify) _____	Total Facility Waste Amount cubic feet <u>12,750</u> gallons _____ Total Facility Area square feet _____ acres <u>0.141</u>
--	--	--

G Known, Suspected or Likely Releases to the Environment:
Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☐ None
/X/ Possibility

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

J Signature and Title:

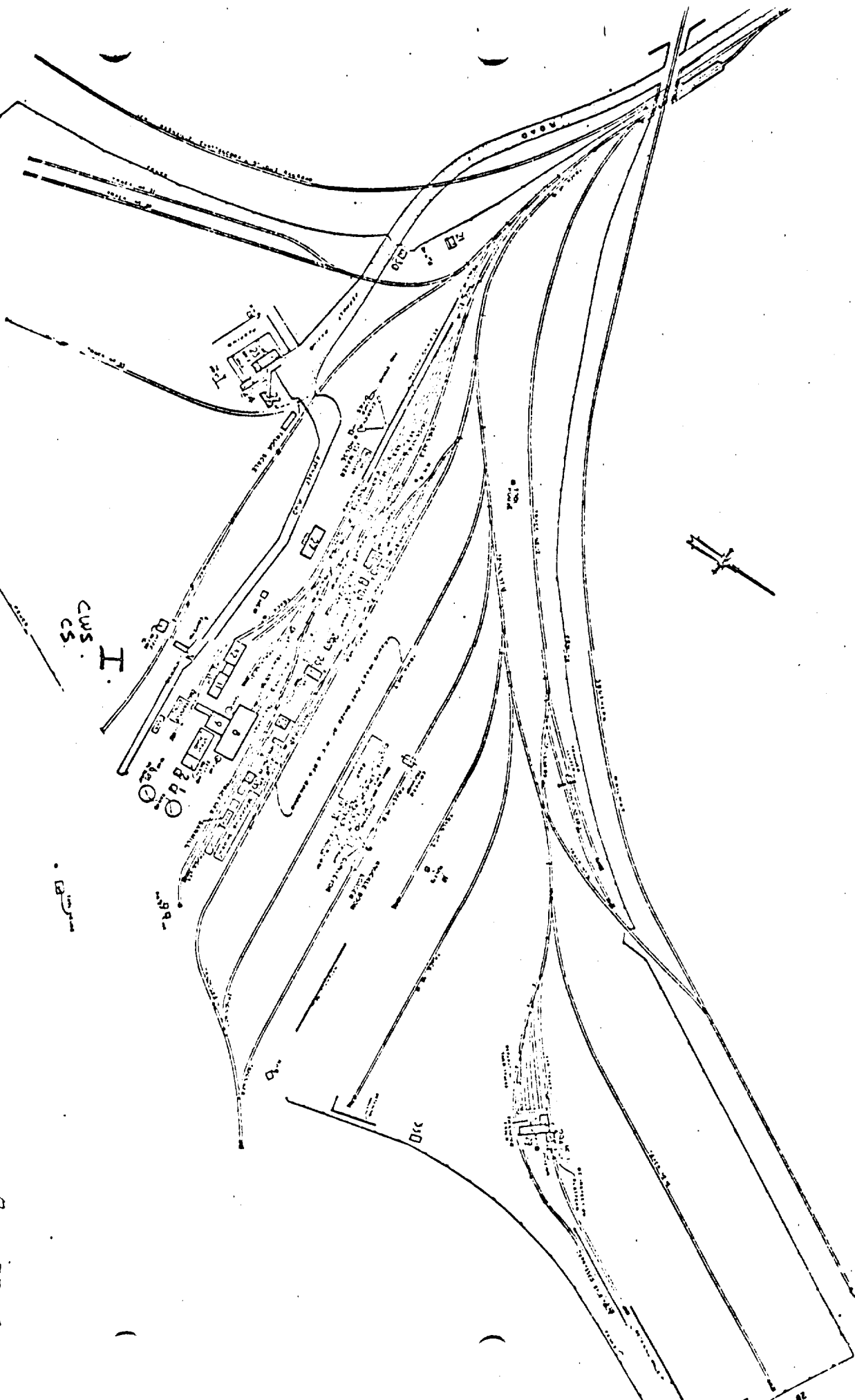
The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

C. A. Council
Name Vice President, Chief Operating Officer
Southern Wood Piedmont Company
Street P. O. Box 5447
City Spartanburg State SC Zip Code 29304
Signature C. A. Council Date 6/5/81

☒ Owner, Present
☐ Owner, Past
☐ Transporter
☐ Operator, Present
☐ Operator, Past
☐ Other

RAILROAD COMPANY

CENTRAL AVENUE
NOT OPEN



SOUTHERN WOOD PIEDMONT COMPANY

CHILLANOCA, ILLINOIS

REV 1971

Area 7735 acres
Cylindrical 87100 - 10
Cylindrical 1.000 D.E.
Pine 600

Joe Morgan
Charity Centre